Municipality of Sanikiluaq
ATTN: ANDRE LARABIE SAO
PO Box 157
Sanikiluaq NU X0A 0W0

Date Received: 26-FEB-13
Report Date: 11-MAR-13 13:03 (MT)
Version: FINAL

Client Phone: 867-266-7900

Certificate of Analysis

Lab Work Order #: L1272653

Project P.O. #: NOT SUBMITTED
Job Reference: SANIKILUAQ WASTE WATER
C of C Numbers:
Legal Site Desc:

CRAIG RIDDELL
Account Manager

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1272653-1 SANIKILUAQ - SEWAGE TRUCK - SEWAGE DISCHARGE							
Sampled By: Moses on 25-FEB-13 @ 11:05							
Matrix: water							
Miscellaneous Parameters							
Ammonia, Total (as N)	64.9	DLA	2.0	mg/L		01-MAR-13	R2548120
Biochemical Oxygen Demand	121		20	mg/L		04-MAR-13	R2548150
Conductivity	2950		20	umhos/cm		27-FEB-13	R2545528
Fecal Coliforms	>110000		3	MPN/100mL		01-MAR-13	R2547690
Mercury (Hg)-Total	<0.00020	DLM	0.00020	mg/L	05-MAR-13	05-MAR-13	R2549561
Oil and Grease, Total	53.7		2.0	mg/L	28-FEB-13	28-FEB-13	R2546489
Phenols (4AAP)	<0.1	DLM	0.10	mg/L	05-MAR-13	05-MAR-13	R2549984
Phosphorus (P)-Total	8.55	DLA	0.050	mg/L		28-FEB-13	R2545343
Sulfate	73.8		2.5	mg/L		27-FEB-13	R2545529
Total Suspended Solids	238		5.0	mg/L		27-FEB-13	R2545384
pH	7.58		0.10	pH units		27-FEB-13	R2545528
Total Metals by ICP-MS							
Aluminum (Al)-Total	3.39		0.0050	mg/L	28-FEB-13	28-FEB-13	R2546361
Antimony (Sb)-Total	0.00128		0.00020	mg/L	28-FEB-13	28-FEB-13	R2546361
Arsenic (As)-Total	0.00184		0.00020	mg/L	28-FEB-13	28-FEB-13	R2546361
Barium (Ba)-Total	0.0347		0.00020	mg/L	28-FEB-13	28-FEB-13	R2546361
Beryllium (Be)-Total	<0.00020		0.00020	mg/L	28-FEB-13	28-FEB-13	R2546361
Bismuth (Bi)-Total	0.0113		0.00020	mg/L	28-FEB-13	28-FEB-13	R2546361
Boron (B)-Total	0.246		0.010	mg/L	28-FEB-13	28-FEB-13	R2546361
Cadmium (Cd)-Total	0.000183		0.000010	mg/L	28-FEB-13	28-FEB-13	R2546361
Calcium (Ca)-Total	85	DLA	10	mg/L	28-FEB-13	28-FEB-13	R2546361
Cesium (Cs)-Total	<0.00010		0.00010	mg/L	28-FEB-13	28-FEB-13	R2546361
Chromium (Cr)-Total	0.0024		0.0010	mg/L	28-FEB-13	28-FEB-13	R2546361
Cobalt (Co)-Total	0.00061		0.00020	mg/L	28-FEB-13	28-FEB-13	R2546361
Copper (Cu)-Total	0.235		0.00020	mg/L	28-FEB-13	28-FEB-13	R2546361
Iron (Fe)-Total	0.29		0.10	mg/L	28-FEB-13	28-FEB-13	R2546361
Lead (Pb)-Total	0.00276		0.000090	mg/L	28-FEB-13	28-FEB-13	R2546361
Lithium (Li)-Total	0.0087		0.0020	mg/L	28-FEB-13	28-FEB-13	R2546361
Magnesium (Mg)-Total	44.8		0.010	mg/L	28-FEB-13	28-FEB-13	R2546361
Manganese (Mn)-Total	0.0514		0.00030	mg/L	28-FEB-13	28-FEB-13	R2546361
Molybdenum (Mo)-Total	0.00113		0.00020	mg/L	28-FEB-13	28-FEB-13	R2546361
Nickel (Ni)-Total	0.0028		0.0020	mg/L	28-FEB-13	28-FEB-13	R2546361
Phosphorus (P)-Total	8.40		0.10	mg/L	28-FEB-13	28-FEB-13	R2546361
Potassium (K)-Total	24.4		0.020	mg/L	28-FEB-13	28-FEB-13	R2546361
Rubidium (Rb)-Total	0.0205		0.00020	mg/L	28-FEB-13	28-FEB-13	R2546361
Selenium (Se)-Total	<0.0010		0.0010	mg/L	28-FEB-13	28-FEB-13	R2546361
Silicon (Si)-Total	6.66		0.050	mg/L	28-FEB-13	28-FEB-13	R2546361
Silver (Ag)-Total	0.00013		0.00010	mg/L	28-FEB-13	28-FEB-13	R2546361
Sodium (Na)-Total	379	DLA	3.0	mg/L	28-FEB-13	28-FEB-13	R2546361
Strontium (Sr)-Total	0.531		0.00010	mg/L	28-FEB-13	28-FEB-13	R2546361
Tellurium (Te)-Total	<0.00020		0.00020	mg/L	28-FEB-13	28-FEB-13	R2546361
Thallium (Tl)-Total	<0.00010		0.00010	mg/L	28-FEB-13	28-FEB-13	R2546361
Thorium (Th)-Total	<0.00010		0.00010	mg/L	28-FEB-13	28-FEB-13	R2546361
Tin (Sn)-Total	0.00258		0.00020	mg/L	28-FEB-13	28-FEB-13	R2546361
Titanium (Ti)-Total	0.00523		0.00050	mg/L	28-FEB-13	28-FEB-13	R2546361
Tungsten (W)-Total	<0.00010		0.00010	mg/L	28-FEB-13	28-FEB-13	R2546361
Uranium (U)-Total	0.00123		0.00010	mg/L	28-FEB-13	28-FEB-13	R2546361
Vanadium (V)-Total	0.00048		0.00020	mg/L	28-FEB-13	28-FEB-13	R2546361
Zinc (Zn)-Total	0.202		0.0020	mg/L	28-FEB-13	28-FEB-13	R2546361
Zirconium (Zr)-Total	0.00244		0.00040	mg/L	28-FEB-13	28-FEB-13	R2546361

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1272653-2 SANIKILUAQ - SEWAGE TRUCK - SEWAGE DISCHARGE (TROUT P/F)							
Sampled By: Moses on 25-FEB-13 @ 11:05							
Matrix:							
Miscellaneous Parameters							
Trout Bioassay - Pass/Fail	See attached.				27-FEB-13	27-FEB-13	R2552590
L1272653-3 SANIKILUAQ - SEWAGE TRUCK - SEWAGE DISCHARGE (DAPHNIA P/F)							
Sampled By: Moses on 25-FEB-13 @ 11:05							
Matrix:							
Miscellaneous Parameters							
Daphnia Magna - Pass/Fail	See attached.				27-FEB-13	27-FEB-13	R2552591

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

Sample Parameter Qualifier Key:

Qualifier	Description
DLA	Detection Limit Adjusted For required dilution
DLM	Detection Limit Adjusted For Sample Matrix Effects
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
BOD-WP	Water	Biochemical Oxygen Demand (BOD)	APHA 5210 B

The sample is incubated for 5 days at 20 degrees Celcius. Comparison of dissolved oxygen content at the beginning and end of incubation provides a measure of biochemical oxygen demand. If carbonaceous BOD is requested, TCMP is added to the sample to chemically inhibit nitrogenous oxygen demand. If soluble BOD is requested, the sample is filtered prior to analysis. Surface waters have a DL of 1 mg/L. Effluents are diluted according to their history and will have a sample DL of 6 mg/L or greater, depending on the dilutions used.

DAPHNIA-P/F-WP	Water	Daphnia Magna Pass/Fail	EPS/1/RM/11,EPS 1/RM/14

Daphnia Magna, grown under controlled conditions, are introduced into a single 100% concentration of a sample in order to obtain an Pass/Fail indication of toxicity. A Fail occurs when greater than 50% of the organisms die.

EC-WP	Water	Conductivity	APHA 2510B

Conductivity of an aqueous solution refers to its ability to carry an electric current. Conductance of a solution is measured between two spatially fixed and chemically inert electrodes.

FC-MPN-WP	Water	Fecal Coliform	APHA 9221A-C

The Most Probable Number (MPN) method is based on the Multiple Tube Fermentation technique. The results of examination of replicate tubes and dilutions of a sample are reported after confirmations specific to total coliform, fecal coliform and E. coli are performed. Results are reported in MPN/100 mL for water and MPN/gram for food and solid samples.

HG-T-CVAF-WP	Water	Mercury Total	EPA245.7 V2.0

Mercury in filtered and unfiltered waters is oxidized with Bromine monochloride and analyzed by cold-vapour atomic fluorescence spectrometry.

MET-T-L-MS-WP	Water	Total Metals by ICP-MS	U.S. EPA 200.8-TL

Total Metals by ICP-MS: This analysis is carried out using sample preparation procedures adapted from Standard Methods for the examination of Water and Wastewater Method 3030E and analytical procedures adapted from U.S EPA Method 200.8 for analyis of metals by inductively coupled-mass spectrometery.

NH3-COL-WP	Water	Ammonia by colour	APHA 4500 NH3 F

Ammonia in water samples forms indophenol when reacted with hypochlorite and phenol. The intensity is amplified by the addition of sodium nitroprusside and measured colourmetrically.

OGG-TOT-WT	Water	Oil and Grease, Total	APHA 5520 B

Sample is extracted with hexane, extract is then evaporated and the residue is weighed to determine total oil and grease.

P-T-COL-WP	Water	Phosphorus, Total	APHA 4500 P PHOSPHORUS

This analysis is carried out using procedures adapted from APHA Method 4500-P "Phosphorus". Total Phosphorous is determined colourimetrically after persulphate digestion of the sample.

PH-WP	Water	pH	APHA 4500H

The pH of a sample is the determination of the activity of the hydrogen ions by potentiometric measurement using a standard hydrogen electrode and a reference electrode.

PHENOLS-4AAP-WT	Water	Phenol (4AAP)	EPA 9066

An automated method is used to distill the sample. The distillate is then buffered to pH 9.4 which reacts with 4AAP and potassium ferricyanide to form a red complex which is measured colorimetrically.

SO4-IC-WP	Water	Sulfate by Ion Chromatography	EPA 300.1 (modified)

Anions in aqueous matrices are analyzed using ion chromatography with conductivity and/or UV absorbance detectors.

SOLIDS-TOTSUS-WP	Water	Total Suspended Solids	APHA 2540 D (modified)

Total suspended solids in aquesous matrices is determined gravimetrically after drying the residue at 103 105°C.

TROUT-P/F-WP	Water	Trout Bioassay Pass/Fail	EPS 1/RM/13, EPS 1/RM/9

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**

Certified, disease-free rainbow trout (Oncorhynchus mykiss) are exposed to the full-strength (100%) sample, under static conditions in order to obtain a pass/fail indication of toxicity. A sample is considered to "fail" if >50% mortality is observed within a 96-hour exposure period.

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
WP	ALS ENVIRONMENTAL - WINNIPEG, MANITOBA, CANADA
WT	ALS ENVIRONMENTAL - WATERLOO, ONTARIO, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.
mg/kg - milligrams per kilogram based on dry weight of sample
mg/kg wwt - milligrams per kilogram based on wet weight of sample
mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight
mg/L - unit of concentration based on volume, parts per million.
< - Less than.
D.L. - The reporting limit.
N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Rainbow Trout Bioassay Test Report - Pass/Fail

Sample ID:	L1272653-2

Summary Results

96-hour Pass/Fail:	FAIL

Sample Information

Sample Origin:	Municipality of Sanikiluaq
Sample Description:	Sewage Truck - Sewage Discharge
Sampling Date and Time:	25-Feb-13 11:05
Sampling Method:	Grab
Sampled By:	Moses
Container(s) Description:	1 x 20L Polyethylene pail
Sample Volume:	20L
Date and Time Received:	26-Feb-13 14:00
Transit Irregularities:	None
Storage Temperature (°C):	4

Test Information

Test Organism:	Oncorhynchus mykiss
Test Description:	Acute, 96-hour, Static, Pass/Fail
Reference Method(s):	EPS 1/RM/13, 2nd Ed. Dec. 2000, with May 2007 amendments, Environment Canada EPS 1/RM/9, May 1996 with May 2007 amendments, Environment Canada
Performed By:	LS
Starting Date and Time:	27-Feb-13 12:00
Deviations from Reference Method:	None

Initial Parameters

Observations

Colour:	Brown				
Odour:	Strong				
Turbidity:	High				
Solids:	None				
Hardness (mg/L):	4.0	mL Titration Solution/	10	mL of Sample x 1000 =	400
Alkalinity (mg/L):	4.1	mL Titration Solution/	10	mL of Sample x 1000 =	410
Temperature (°C):	15				
Dissolved Oxygen (mg/L):	1.32				
Conductivity (µmhos/cm):	2840				
pH (5.5-8.5 pH units):	7.52				
pH Adjustment:	Not Adjusted				
pH Adjustment Procedure:	n/a				

Pre-Aeration

Aeration Rate (5.5-7.5 mL/min/L):	6.40 ± 0.6	
Aeration Time (min):	120	
Sample Test Concentration (v/v):	100%	0%
Dissolved Oxygen (D.O.) Before Pre-Aeration (%):	13.2	96.8
Average D.O. After Pre-Aeration (%):	7.5	89.6

Test Organism Data

Lot Number:	07/11/12 T4
Weekly Mortality Preceeding Test (%):	0
Sample Size:	10

Conditions Common to All Concentrations During Test

Source of Holding/Dilution Water:	Dechlorinated UV Treated City of Winnipeg Tap Water
Container Description:	20 L Polyethylene Pail with Liner
Aeration Method:	Compressed air bubbled through silica-glass air diffuser
Aeration Rate (5.5-7.5 mL/min/L):	6.40 ± 0.6
Test Solution Volume (L):	20
Test Solution Depth (cm):	34
Number of Test Organisms per Container:	10
Loading Density (g/L):	0.28

Conditions During Test

Concentration (% v/v)	Temperature (˚C) (15 ± 1˚C)					Dissolved Oxygen (mg/L)					pH (pH units)				
	0h	**24h**	**48h**	**72h**	**96h**	**0h**	**24h**	**48h**	**72h**	**96h**	**0h**	**24h**	**48h**	**72h**	**96h**
0	15	n/a	n/a	n/a	15	8.94	n/a	n/a	n/a	8.12	7.46	n/a	n/a	n/a	7.56
100	15	n/a	n/a	n/a	15	0.75	n/a	n/a	n/a	0.61	7.51	n/a	n/a	n/a	7.61

Conc. (% v/v)	Conductivity (µmhos/cm)	Number of Fish Dead				Number of Fish Stressed			
	0h	**24h**	**48h**	**72h**	**96h**	**24h**	**48h**	**72h**	**96h**
0	341	0	n/a	n/a	0	0	n/a	n/a	0
100	2910	10	n/a	n/a	10	0	n/a	n/a	0

Control Fish Information at End of Test

Mean Fork Length (mm):	39
Lower Range Fork Length (mm):	35
Upper Range Fork Length (mm):	44
Mean Wet Weight:	0.56

Mortality and Stressed Behaviour Information

Conc. (% v/v)	Mean Number of Fish at End of Test		Mean Rate of Fish at End of Test (%)	
	Dead	**Stressed**	**Dead**	**Stressed**
0	0	0	0	0
100	10	0	100	0

Reference Toxicant Test Results

Reference Toxicant:	Zinc Sulfate
Date Reference Toxicant Initiated:	15-Feb-13
Recent 96h Reference Toxicant Test LC50 (mg/L Zinc):	1.39
Lower 95% Confidence Limit (mg/L Zinc):	1.15
Upper 95% Confidence Limit (mg/L Zinc):	1.77
Historic Geometric Mean LC50 (mg/L Zinc):	0.65
Lower 95% Confidence Limit (mg/L Zinc):	0.25
Upper 95% Confidence Limit (mg/L Zinc):	1.72
Method of Calculation:	Stephan LC50 Program, Probit
Confirmed by Graph:	Yes

Sublethal Biological Effects

No sublethal biological effects observed.

Observations/Comments

Toxicity observed. 100% mortality observed in the 100% concentration.

Daphnia Magna Bioassay Test Report - Pass/Fail

Sample ID:	L1272653-3

Summary Results

48-hour Pass/Fail:	FAIL

Sample Information

Sample Origin:	Municipality of Sanikiluaq
Sample Description:	Sewage Truck - Sewage Discharge
Sampling Date and Time:	25-Feb-13 11:05
Sampling Method:	Grab
Sampled By:	Moses
Container(s) Description:	1 x 20L Polyethylene pail
Sample Volume:	20L
Date and Time Received:	26-Feb-13 14:00
Transit Irregularities:	None
Storage Temperature (°C):	4

Test Information

Test Organism:	Daphnia magna
Test Description:	Acute, 48-hour, Static, Pass/Fail
Reference Method(s):	EPS 1/RM/14, 2nd Ed. Dec. 2000, Environment Canada EPS 1/RM/11, July 1990, Environment Canada
Performed By:	LS
Starting Date and Time:	27-Feb-13 13:00
Deviations from Reference Method:	None

Condition of Effluent at 100% v/v Before Preparing Dilutions

Observations

Colour:	Brown			
Odour:	Strong			
Turbidity:	High			
Solids:	None			
Temperature (°C):	20			
Dissolved Oxygen (mg/L):	0.80			
Conductivity (µmhos/cm):	3040			
pH:	7.46			
pH Adjustment:	Not Adjusted			
pH Adjustment Procedure:	n/a			
Hardness (mg/L) Before Adjustment:	4.3	mL Titration Solution/	10 mL of Sample x 1000 =	430
Hardness (mg/L) After Adjustment:	n/a	mL Titration Solution/	n/a mL of Sample x 1000 =	n/a
Alkalinity (mg/L):	5.2	mL Titration Solution/	10 mL of Sample x 1000 =	520

Pre-Aeration

Aeration Rate (25-50 mL/min/L):	33.5 ± 0.2	
Aeration Time (min):	30	
Sample Test Concentration (v/v):	100%	0%
Dissolved Oxygen (D.O.) Before Pre-Aeration (%):	8.6	95.4
Average D.O. After Pre-Aeration (%):	9.6	94.3

Test Organism Data

Average age of daphnia at first brood (days):	8
Average number of neonates per brood:	23
Weekly Mortality Preceeding Test (%):	0.0
Date Parents Born:	29-Jan-13
Loading Density (organisms/20 mL):	1
Age of test organisms at beginning of test (hrs):	<24

Conditions Common to All Concentrations During Test

Volume Tested:	200 mL (for control and 100%)
Triplicate solutions for control & 100%:	Yes
Neonates per Vessel:	10
Volume per Neonate:	20 mL
Test Solution Depth:	70 mm
Container Description:	Plastic Cups
Source of Holding/Dilution Water:	Dechlorinated UV Treated City of Winnipeg Tap Water

Conditions During Test

Concentration (% v/v)	Temperature (°C)			Dissolved Oxygen (mg/L)		pH		Conductivity (µmhos/cm)	Hardness (mg/L)	Immobility (# of daphnids)		Mortality (# of daphnids)
	0h	24h	48h	0h	48h	0h	48h	0h	0h	24h	48h	48h
0	20	20	20	8.59	8.49	7.94	7.82	428	106	0	0	0
0	20	20	20	8.66	8.58	7.87	7.82	428	106	0	0	0
0	20	20	20	8.65	8.67	7.85	7.83	425	106	0	0	0
100	20	20	20	0.88	0.16	7.35	7.92	3010	430	10	10	10
100	20	20	20	0.53	0.10	7.36	7.94	3030	430	10	10	10
100	20	20	20	0.53	0.07	7.37	7.91	3030	430	10	10	10

Mortality and Immobility Information

Conc. (% v/v)	Mean Number of Daphnids at End of Test		Mean Rate of Daphnids at End of Test (%)	
	Dead	**Immobile**	**Dead**	**Immobile**
0	0	0	0	0
100	10	10	100	100

Reference Toxicant Test Results

Reference Toxicant:	Sodium Chloride
Date Reference Toxicant Initiated:	6-Mar-13
Recent 48h Reference Toxicant Test LC50 (mg/L NaCl):	5646
Lower 95% Confidence Limit (mg/L NaCl):	5478
Upper 95% Confidence Limit (mg/L NaCl):	5811
Historic Geometric Mean LC50 (mg/L NaCl):	5761
Lower Warning Limit (-2 S.D.):	5148
Upper Warning Limit (+2 S.D.):	6447
Method of Calculation:	Stephan LC50 Program, Probit
Confirmed by Graph:	Yes

Observations/Comments

Toxicity observed. 100% immobility and mortality observed in the 100% concentration.

ALS Environmental

L1272653-COFC

/ Analytical Request Form
Free: 1 800 668 9878
alsglobal.com

COC # L1272653

Page ___ of ___

Report To		Distribution		Service Requested (Rush for routine analysis subject to availability)
Company:	Municipality of SANIKILUAQ (W10375)	[redacted]		◉ Regular (Standard Turnaround Times - Business Days)
Contact:	ANDRE LARABIE SAO	☑ PDF ☐ Excel ☐ Digital ☐ Fax		○ Priority (2-4 Business Days) - 50% Surcharge - Contact ALS to Confirm TAT
Address:	Box 157	Email 1:	sanisao@qiniq.com	○ Emergency (1-2 Bus. Days) - 100% Surcharge - Contact ALS to Confirm TAT
	Sanikiluaq, NU, X0A 0W0	Email 2:	sanilands@qiniq.com	○ Same Day or Weekend Emergency - Contact ALS to Confirm TAT
Phone:	867-266-7900 Fax: 867-266-8919	Email 3:	brov@gov.nu.ca	
Invoice To	Same as Report ? ☐ Yes ☐ No	Client / Project Information		Analysis Request
Hardcopy of Invoice with Report?	☐ Yes ☐ No	Job #:	SANIKILUAQ Waste Water	Please indicate below Filtered, Preserved or both (F, P, F/P)
Company:	(W10375)	PO / AFE:		
Contact:		LSD:		
Address:				
Phone:	Fax:	Quote #:	Q37083	
[redacted] Lab Work Order # (lab use only)	[redacted]	ALS Contact:		Sampler: MOSES

Sample #	Sample Identification (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	BOD-WP	pH, Cond	TSS, SO4	FC-MPN (Fecal Coliform)	NH3, P-Total	Met-T-L-MS-WP	HG-T-CVAF-WP	Phenols-4AAP-WT	OGG-TOT-WT		TROUT-P/F-WP (20 L pail)	DAPHNIA-P/F-WP	Number of Containers
[redacted]	Sanikiluaq - Sewage Truck - Sewage Discharge	25-02-13	11:05 AM	HO-47	x	x	x	x	x	x	x	x	x		x	x	
[redacted]																	
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Special Instructions / Regulations with water or land use (CCME-Freshwater Aquatic Life/BC CSR - Commercial/AB Tier 1 - Natural, etc) / Hazardous Details

Bottles Required - 500 ml BOD, 125 ml Sterile Bacti, 250 ml Nutrient, 1 L Amber W/M OGG, 1 L Routine, 250 ml Metals, 250ml Amber Glass Phenols , 20 L Pail w liner

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

By the use of this form the user acknowledges and agrees with the Terms and Conditions as provided on a separate Excel tab.

Also provided on another Excel tab are the ALS location addresses, phone numbers and sample container / preservation / holding time table for common analyses.

[redacted] SHIPMENT RELEASE (client use)			[redacted] SHIPMENT RECEPTION (lab use only)				[redacted] SHIPMENT VERIFICATION (lab use only)			
Released by:	Date (dd-mmm-yy)	Time (hh-mm)	Received by: MB	Date: 26/2/13	Time: 2	Temperature: 12.8 °C	Verified by:	Date:	Time:	Observations: Yes / No ? If Yes add SIF